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AMENDMENTS TO THE CLAIMS

1.   (Currently Amended) A method of rendering a web page, the method comprising the

computer-implemented steps of:

generating and storing a mapping that maps one or more page parameter[[s]] names to

one or more portlet parameter[[s]] names, wherein the mapping is stored separate

from web pages associated with the one or more page parameters that correspond

to the one or more page parameter names;

wherein said web pages include the web page;

receiving a request to display the web page;

in response to receiving the request to display the web page, performing the steps of:

determining that the web page is associated with a particular page parameter from

the one or more page parameters that has a particular page parameter name

from the one or more page parameter names;

using the mapping to determine which portlet parameter[[s]] names are mapped to

the particular page parameter name;

wherein using the mapping includes retrieving and inspecting the mapping to

determine that the particular page parameter name is mapped to a

particular portlet parameter name that corresponds to a particular portlet

parameter of a portlet;

wherein the portlet is executable code that is operable to generate page

components;

passing a value associated with the particular page parameter name to the portlet

as a value of the particular portlet parameter that corresponds to the

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particular portlet parameter name;

the portlet generating a component based upon the value that is passed to the

portlet as the value of the particular portlet parameter; and

inserting the component that was generated by the portlet into the web page;

wherein the steps of the method are performed by one or more computing devices.

2.   (Currently Amended) The method of Claim 1, wherein:

using the mapping further includes determining that the particular page parameter name

is mapped to a second portlet parameter name that corresponds to a second portlet

parameter associated with a second component of the web page; and

in response to receiving the request to display the web page, further performing the step

of passing the value associated with the particular page parameter name as the

value of the second portlet parameter to that is associated with a second portlet

that generates the second component.

3.   (Currently Amended) The method of Claim 1, wherein:

the step of generating and storing the mapping further comprises mapping a plurality of

page parameter names, corresponding to page parameters for the web page, to a

plurality of portlet parameter names corresponding to portlet parameters

associated with the component of the web page;

the step of inspecting the mapping further comprises the step of determining which page

parameter[[s]] names of the plurality of page parameter[[s]] names are mapped to

each of the plurality of portlet parameter[[s]] names;

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the step of passing the value further comprises the step of passing, based on the mapping, values associated with the plurality of page parameter[[s]] <u>names</u> as the values of <u>the portlet parameters, corresponding to</u> the plurality of portlet parameter[[s]] <u>names,</u> ~~to~~ <u>of</u> the portlet that generates the component; and

the step of the portlet generating the component further comprises the step of the portlet generating the component based upon the values associated with the plurality of portlet parameter[[s]] <u>names.</u>

4.   (Currently Amended) The method of Claim 1, wherein the step of generating and storing the mapping comprises the step of mapping the <u>particular</u> page parameter <u>name</u> to the <u>particular</u> portlet parameter <u>name</u> associated with the component of the web page without mapping the <u>particular</u> page parameter <u>name</u> to portlet parameter[[s]] <u>names</u> associated with any other components of the web page.

5.   (Currently Amended) The method of Claim 1, wherein the step of generating and storing the mapping comprises the steps of mapping the <u>particular</u> page parameter <u>name</u> to the <u>particular</u> portlet parameter <u>name</u> and mapping a second page parameter <u>name</u> to <u>a</u> <u>second portlet parameter name corresponding to</u> a second portlet parameter of the portlet that generates the component of the web page.

6.   (Currently Amended) The method of Claim 1, further comprising the step of establishing for the <u>particular</u> page parameter <u>name</u> a default value, and wherein the step of passing the value associated with the <u>particular</u> page parameter <u>name</u> further comprises the step

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of passing the default value as the value of the <u>particular</u> portlet parameter ~~to~~ <u>of</u> the

portlet that generates the component.

7.   (Currently Amended) The method of Claim 1, wherein the request to display the web

page includes a URL and the URL includes the value associated with the <u>particular</u> page

parameter <u>name</u>, and wherein the step of passing the value associated with the <u>particular</u>

page parameter <u>name</u> is performed by passing the value contained in the URL as the

value of the <u>particular</u> portlet parameter.

8.   (Currently Amended) The method of Claim 1, further comprising the steps of:

presenting to a user a user interface for customizing the web page;

in response to the user interacting with the user interface, obtaining a user specified value

        for the <u>particular</u> page parameter <u>name</u>; and

wherein the step of passing the value associated with the <u>particular</u> page parameter <u>name</u>

        is performed by passing the user specified value as the value of the <u>particular</u>

        portlet parameter ~~to~~ <u>of</u> the portlet that generates the component.

9.   (Currently Amended) The method of Claim 1, wherein a plurality of values are specified

for the <u>particular</u> page parameter <u>name</u> and wherein:

the method further comprises the step of determining a selected value from the plurality

        of values based on an override hierarchy; and

the step of passing further comprises the step of passing the selected value as the value of

        the <u>particular</u> portlet parameter ~~to~~ <u>of</u> the portlet that generates the component.

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10.   (Previously Presented)   The method of Claim 9, wherein the plurality of values includes a URL page parameter value and a customized page parameter value and the override hierarchy specifies that the URL page parameter value is the selected value.

11.   (Previously Presented)   The method of Claim 9, wherein the plurality of values includes a default page parameter value and a customized page parameter value and the override hierarchy specifies that the customized page parameter value is the selected value.

12.   (Previously Presented)   The method of Claim 9, wherein the plurality of values includes a default page parameter value and a portlet specified value and the override hierarchy specifies that the default page parameter value is the selected value.

13.   (Currently Amended) The method of Claim 1, further comprising the step of presenting to a page designer a user interface for specifying the mapping between the <u>particular</u> page parameter <u>name</u> and the <u>particular</u> portlet parameter <u>name</u>.

14.   (Previously Presented)   The method of Claim 1, further comprising the step of registering the portlet with a portal repository, wherein the process of registering the portlet causes data associated with the portlet to be stored in the portal repository.

15.   (Previously Presented)   The method of Claim 14, wherein the data associated with the portlet is communicated to the portal repository as an XML document.

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16.   (Currently Amended) The method of Claim 1, further comprising the step of receiving

        input from a page designer, through a user interface, to create the mapping between the

        <u>particular</u> portlet parameter <u>name</u> and the <u>particular</u> page parameter <u>name</u>.

17.   (Currently Amended) The method of Claim 1, wherein the value associated with the

        <u>particular</u> page parameter <u>name</u> is stored in memory and wherein:

        the method further comprises the step of retrieving the stored value; and

        the step of the portlet generating the component further comprises the step of the portlet

                generating the component based upon the retrieved value.

18.   (Currently Amended) A method comprising the computer-implemented steps of:

        generating and storing a first mapping that maps one or more events to one or more

                actions and one or more event output parameter[[s]] <u>names</u> to one or more page

                parameter[[s]] <u>names</u>, wherein the first mapping is stored separate from web

                pages associated with ~~the~~ one or more page parameters <u>that correspond to the one</u>

                <u>or more page parameter names</u>;

        wherein the web pages include a web page;

        in response to a user manipulating a component of the web page, a portlet that previously

                generated the component generating a particular event;

        wherein the portlet is executable code that is operable to generate page components;

        logic associated with the web page intercepting data, passed by the portlet, that represents

                the particular event;

        retrieving and inspecting the first mapping, wherein inspecting the first mapping

                includes:

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determining, based on the first mapping and the intercepted data, an action to

perform in response to the particular event;

~~determining,~~ based on the first mapping, <u>determining</u> that an event output

parameter <u>name, which corresponds to an event output parameter</u>

associated with the particular event<u>,</u> is mapped to a <u>particular</u> page

parameter <u>name</u>; and

causing the action to be performed, wherein causing the action to be performed comprises

passing a value ~~of~~ <u>associated with</u> the event output parameter <u>name</u> as the value of

<u>a particular page parameter that corresponds to</u> the <u>particular</u> page parameter

<u>name</u>;

wherein the steps of the method are performed by one or more computing devices.

19.   (Currently Amended) The method of Claim 18, wherein:

the web page is a first page and the <u>particular</u> page parameter is associated with a second

page; and

the step of causing the action to be performed further comprises the step of passing the

value of the <u>particular</u> page parameter to logic responsible for rendering the

second page.

20.   (Currently Amended) The method of Claim 18, wherein the step of causing the action to

be performed further comprises the step of generating a request that specifies a URL,

wherein the value of the <u>particular</u> page parameter is included in the URL.

21.   (Original)   The method of Claim 20, wherein:

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the step of generating the request further comprises the step of generating a request for

executable code; and

the step of causing the action to be performed further comprises the step of invoking the

executable code.

22.   (Original)   The method of Claim 21, wherein the executable code is a web service.

23.   (Currently Amended) The method of Claim 18, wherein:

the action comprises rendering a second page, wherein the <u>particular</u> page parameter is

associated with the second page, and wherein rendering the second page

comprises the steps of:

inspecting a second mapping to determine that the <u>particular</u> page parameter <u>name</u>

is mapped to a <u>particular portlet parameter name that corresponds to a</u>

<u>particular</u> portlet parameter of a second portlet that generates a second

component of the second page that is based, at least in part, on the

<u>particular</u> portlet parameter;

passing the value of the <u>particular</u> page parameter as the value of the <u>particular</u>

portlet parameter, <u>of</u> ~~to~~ the second portlet, <u>that corresponds to the</u>

<u>particular portlet parameter name</u>;

the second portlet generating the second component based upon the value

~~associated with~~ <u>of</u> the <u>particular</u> portlet parameter; and

inserting the second component that was generated by the second portlet into the

second page.

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24-46. (Canceled)

47.   (Currently Amended) The method of Claim 1, wherein the portlet is a first portlet and

wherein the mapping maps a single page parameter <u>name</u>, of the one or more page

parameter[[s]] <u>names</u>, to <u>a first portlet parameter name corresponding to</u> a first portlet

parameter of the first portlet and to <u>a second portlet parameter name corresponding to</u> a

second portlet parameter of a second portlet.

48.   (Canceled)

49.   (Currently Amended) A <u>non-transitory</u> computer-readable volatile or non-volatile

medium storing one or more sequences of instructions for rendering a web page, which

instructions when executed by one or more processers cause performance of steps

comprising:

generating and storing a mapping that maps one or more page parameter[[s]] <u>names</u> to

            one or more portlet parameter[[s]] <u>names</u>, wherein the mapping is stored separate

            from web pages associated with ~~the~~ one or more page parameters <u>that correspond</u>

            <u>to the one or more page parameter names</u>;

wherein said web pages include the web page;

receiving a request to display the web page;

in response to receiving the request to display the web page, performing the steps of:

            determining that the web page is associated with a <u>particular</u> page parameter ~~from~~

                    ~~the one or more page parameters~~ <u>that has a particular page parameter name</u>

                    <u>from the one or more page parameter names</u>;

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using the mapping to determine which portlet parameter[[s]] <u>names</u> are mapped to

the <u>particular</u> page parameter <u>name</u>;

wherein using the mapping includes retrieving and inspecting the mapping to

determine that the <u>particular</u> page parameter <u>name</u> is mapped to a

<u>particular portlet parameter name that corresponds to a particular</u> portlet

parameter of a portlet;

wherein the portlet is executable code that is operable to generate page

components;

passing a value associated with the <u>particular</u> page parameter <u>name</u> to the portlet

as a value of the <u>particular</u> portlet parameter <u>that corresponds to the</u>

<u>particular portlet parameter name</u>;

the portlet generating a component based upon the value that is passed to the

portlet as the value of the <u>particular</u> portlet parameter; and

inserting the component that was generated by the portlet into the web page.

50.   (Currently Amended) The computer-readable medium of Claim 49, wherein:

the instructions that cause performance of the step of generating and storing the mapping

further comprise instructions which, when executed by the one or more

processors, cause performance of the step of determining that the <u>particular</u> page

parameter <u>name</u> is mapped <u>to a second portlet parameter name that corresponds</u> to

a second portlet parameter associated with a second component of the web page;

and

the instructions that cause performance of the steps in response to receiving the request to

display the page further comprise instructions which, when executed by the one or

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more processors, cause the performance of the step of passing the value

associated with the particular page parameter name as the value of the second

portlet parameter to that is associated with a second portlet that generates the

second component.

51.   (Currently Amended) The computer-readable medium of Claim 49, wherein:

the instructions that cause performance of the step of generating and storing the mapping

further comprise instructions which, when executed by the one or more

processors, cause performance of the step of mapping a plurality of page

parameter names, corresponding to page parameters for the web page, to a

plurality of portlet parameter names corresponding to portlet parameters

associated with the component of the web page;

the instructions that cause performance of the step of inspecting the mapping further

comprise instructions which, when executed by the one or more processors, cause

performance of the step of inspecting the mapping to determine which page

parameter[[s]] names of the plurality of page parameter[[s]] names are mapped to

each of the plurality of portlet parameter[[s]] names;

the instructions that cause performance of the step of passing the value further comprise

instructions which, when executed by the one or more processors, cause

performance of the step of passing, based on the mapping, values associated with

the plurality of page parameter[[s]] names as the values of the portlet parameters,

corresponding to the plurality of portlet parameter[[s]] names, to of the portlet

that generates the component; and

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the instructions that cause performance of the step of the portlet generating the

component further comprise instructions which, when executed by the one or

more processors, cause performance of the step of the portlet generating the

component based upon the values associated with the plurality of portlet

parameter[[s]] names.

52.   (Currently Amended) The computer-readable medium of Claim 49, wherein the

instructions that cause performance of the step of generating and storing the mapping

comprise instructions which, when executed by the one or more processors, cause

performance of the step of mapping the particular page parameter name to the particular

portlet parameter name associated with the component of the web page without mapping

the particular page parameter name to portlet parameter[[s]] names associated with any

other components of the web page.

53.   (Currently Amended) The computer-readable medium of Claim 49, wherein the

instructions that cause performance of the step of generating and storing the mapping

comprise instructions which, when executed by the one or more processors, cause

performance of the steps of mapping the particular page parameter name to the particular

portlet parameter name and mapping a second page parameter name to a second portlet

parameter name corresponding to a second portlet parameter of the portlet that generates

the component of the web page.

54.   (Currently Amended) The computer-readable medium of Claim 49, wherein the one or

more sequences of instructions further comprise instructions which, when executed by

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the one or more processors, cause performance of the step of establishing for the

<u>particular</u> page parameter <u>name</u> a default value, and wherein the instructions that cause

performance of the step of passing the value associated with the <u>particular</u> page

parameter <u>name</u> further comprise instructions which, when executed by the one or more

processors, cause performance of the step of passing the default value as the value of the

<u>particular</u> portlet parameter ~~to~~ <u>of</u> the portlet that generates the component.

55.   (Currently Amended) The computer-readable medium of Claim 49, wherein the request

to display the web page includes a URL and the URL includes the value associated with

the <u>particular</u> page parameter <u>name</u>, and wherein the instructions that cause performance

of the step of passing the value associated with the <u>particular</u> page parameter <u>name</u>

comprise instructions which, when executed by the one or more processors, cause

performance of the step of passing the value contained in the URL as the value of the

<u>particular</u> portlet parameter.

56.   (Currently Amended) The computer-readable medium of Claim 49, wherein the one or

more sequences of instructions further comprise instructions which, when executed by

the one or more processors, cause performance of the steps of:

presenting to a user a user interface for customizing the web page; and

in response to the user interacting with the user interface, obtaining a user specified value

         for the <u>particular</u> page parameter <u>name</u>;

wherein the instructions that cause performance of the step of passing the value

         associated with the <u>particular</u> page parameter <u>name</u> comprise instructions which,

         when executed by the one or more processors, cause performance of the step of

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passing the user specified value as the value of the <u>particular</u> portlet parameter ~~to~~

<u>of</u> the portlet that generates the component.

57.   (Currently Amended) The computer-readable medium of Claim 49, wherein a plurality of

values are specified for the <u>particular</u> page parameter <u>name</u> and wherein:

the one or more sequences of instructions further comprise instructions which, when

executed by the one or more processors, cause performance of the step of

determining a selected value from the plurality of values based on an override

hierarchy; and

the instructions that cause performance of the step of passing the value associated with

the <u>particular</u> page parameter <u>name</u> further comprise instructions which, when

executed by the one or more processors, cause performance of the step of passing

the selected value as the value of the <u>particular</u> portlet parameter ~~to~~ <u>of</u> the portlet

that generates the component.

58.   (Previously Presented)   The computer-readable medium of Claim 57, wherein the

plurality of values includes a URL page parameter value and a customized page

parameter value and the override hierarchy specifies that the URL page parameter value

is the selected value.

59.   (Previously Presented)   The computer-readable medium of Claim 57, wherein the

plurality of values includes a default page parameter value and a customized page

parameter value and the override hierarchy specifies that the customized page parameter

value is the selected value.

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60.   (Previously Presented)   The computer-readable medium of Claim 57, wherein the plurality of values includes a default page parameter value and a portlet specified value and the override hierarchy specifies that the default page parameter value is the selected value.

61.   (Currently Amended) The computer-readable medium of Claim 49, wherein the one or more sequences of instructions further comprise instructions which, when executed by the one or more processors, cause performance of the step of presenting to a page designer a user interface for specifying the mapping between the <u>particular</u> page parameter <u>name</u> and the <u>particular</u> portlet parameter <u>name</u>.

62.   (Previously Presented)   The computer-readable medium of Claim 49, wherein the one or more sequences of instructions further comprise instructions which, when executed by the one or more processors, cause performance of the step of registering the portlet with a portal repository, wherein the process of registering the portlet causes data associated with the portlet to be stored in the portal repository.

63.   (Previously Presented)   The computer-readable medium of Claim 62, wherein the data associated with the portlet is communicated to the portal repository as an XML document.

64.   (Currently Amended) The computer-readable medium of Claim 49, wherein the one or more sequences of instructions further comprise instructions which, when executed by the one or more processors, cause performance of the step of receiving input from a page

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designer, through a user interface, to create the mapping between the <u>particular</u> portlet

parameter <u>name</u> and the <u>particular</u> page parameter <u>name</u>.

65.   (Currently Amended) The computer-readable medium of Claim 49, wherein the value

associated with the <u>particular</u> page parameter <u>name</u> is stored in memory and wherein:

the one or more sequences of instructions further comprise instructions which, when

      executed by the one or more processors, cause performance of the step of

      retrieving the stored value; and

the instructions that cause performance of the step of the portlet generating the

      component further comprise instructions which, when executed by the one or

      more processors, cause the portlet to generate the component based upon the

      retrieved value.

66.   (Currently Amended) A <u>non-transitory</u> computer-readable volatile or non-volatile

medium storing one or more sequences of instructions which, when executed by one or

more processers, cause performance of steps comprising:

generating and storing a first mapping that maps one or more events to one or more

      actions and one or more event output parameter[[s]] <u>names</u> to one or more page

      parameter[[s]] <u>names</u>, wherein the first mapping is stored separate from web

      pages associated with ~~the~~ one or more page parameters <u>that correspond to the one</u>

      <u>or more page parameter names</u>;

wherein the web pages include a web page;

in response to a user manipulating a component of the web page, a portlet that previously

      generated the component generating a particular event;

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wherein the portlet is executable code that is operable to generate page components;

executing logic associated with the web page to intercept data, passed by the portlet, that

represents the particular event;

retrieving and inspecting the first mapping, wherein inspecting the first mapping

includes:

determining, based on the first mapping and the intercepted data, an action to

perform in response to the particular event;

~~determining,~~ based on the first mapping, <u>determining</u> that an event output

parameter <u>name, which corresponds to an event output parameter</u>

associated with the particular event<u>,</u> is mapped to a <u>particular</u> page

parameter<u> name</u>; and

causing the action to be performed, wherein causing the action to be performed comprises

passing a value ~~of~~ <u>associated with</u> the event output parameter <u>name</u> as the value of

<u>a particular page parameter that correspond to</u> the <u>particular</u> page parameter<u> name</u>.

67.   (Currently Amended) The computer-readable medium of Claim 66, wherein:

the web page is a first page and the <u>particular</u> page parameter is associated with a second

page; and

the instructions that cause performance of the step of causing the action to be performed

further comprise instructions which, when executed by the one or more

processors, cause performance of the step of passing the value of the <u>particular</u>

page parameter to logic responsible for rendering the second page.

68.   (Currently Amended) The computer-readable medium of Claim 66, wherein the

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instructions that cause performance of the step of causing the action to be performed

further comprise instructions which, when executed by the one or more processors, cause

performance of the step of generating a request that specifies a URL, wherein the value of

the <u>particular</u> page parameter is included in the URL.

69.   (Previously Presented)   The computer-readable medium of Claim 68, wherein:

the instructions that cause performance of the step of generating the request further

        comprise instructions which, when executed by the one or more processors, cause

        performance of the step of generating a request for executable code; and

the instructions that cause performance of the step of causing the action to be performed

        further comprise instructions which, when executed by the one or more

        processors, cause performance of the step of invoking the executable code.

70.   (Previously Presented)   The computer-readable medium of Claim 69, wherein the

executable code is a web service.

71.   (Currently Amended) The computer-readable medium of Claim 66, wherein:

the action comprises rendering a second page, wherein the <u>particular</u> page parameter is

        associated with the second page, and wherein rendering the second page

        comprises:

        inspecting a second mapping to determine that the <u>particular</u> page parameter <u>name</u>

                is mapped to a <u>particular portlet parameter name that corresponds to a</u>

                <u>particular</u> portlet parameter of a second portlet that generates a second

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component of the second page that is based, at least in part, on the

particular portlet parameter;

passing the value of the particular page parameter as the value of the particular

portlet parameter, of ~~to~~ the second portlet, that corresponds to the

particular portlet parameter name;

the second portlet generating the second component based upon the value

~~associated with~~ of the particular portlet parameter; and

inserting the second component that was generated by the second portlet into the

second page.

72.   (Currently Amended) The computer-readable medium of Claim 49, wherein the portlet is

a first portlet and wherein the mapping maps a single page parameter name, of the one or

more page parameter[[s]] names, to a first portlet parameter name corresponding to a first

portlet parameter of the first portlet and to a second portlet parameter name

corresponding to a second portlet parameter of a second portlet.